

For Research Use Only

ITM2C Polyclonal antibody

Catalog Number: 13601-1-AP



Basic Information

Catalog Number: 13601-1-AP	GenBank Accession Number: BC025742	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop and 193 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 81618	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NQX7	
Isotype: IgG	Full Name: integral membrane protein 2C	
Immunogen Catalog Number: AG3876	Calculated MW: 230aa, 26 kDa; 267aa, 30 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human colon tissue,
Species Specificity: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

The Integral membrane protein 2C (ITM2C) is a type II integral transmembrane protein belonging to a family composed of at least two other members, ITM2A and ITM2B. ITM2C, often called transmembrane protein BRI3, is highly expressed in brain tissue. Yeast two-hybrid screen system revealed that BRI3 could interact with beta-secretase beta-amyloid protein converting enzyme (BACE)1 and the microtubule-destabilizing protein SCG10 (STMN2). It may play a role in TNF-induced cell death and neuronal differentiation. BRI3 was found to inhibit the various processing of amyloid precursor protein (APP) by blocking the access of alpha- and beta-secretases to APP, competitive inhibition of APP processing by BRI3 may provide a new approach to Alzheimer disease (AD) therapy and prevention.

Storage

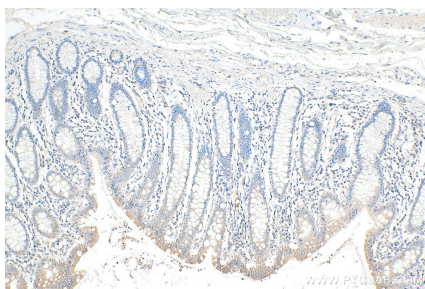
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 13601-1-AP (ITM2C antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).